

## Aggregation-preventing nanometer wide-spectrum antibacterial silver powder and its industrial production process

Patent Number: CN1322474  
Publication date: 2001-11-21  
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Requested Patent: CN1322474  
Application Number: CN20010110767 20010420  
Priority Number(s): CN20010110767 20010420  
IPC Classification: A01N59/16  
EC Classification:  
Equivalents:

### Abstract

Between fiber elements and on fiber of natural porous plant material, superfine silver particles of 1-100 nm size with a silver oxide surface layer are attached firmly. The method of the present invention can prevent aggregation of superfine silver particles with extremely strong activity. Nanometer silver powder has extremely antiseptic capacity; wide antibacterial spectrum; high bactericidal effect, especially while contacting with water; no toxicity; no irritation, no pathergy and drug resistance and may also be used as medicinal material.

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